

Additional file 4. Tables of statistical support for the preferential nesting into specific regions of LTR retrotransposons (presented in Fig.3). The number of observed LTR retrotransposon insertion was compared with their expected number normalized by region length. FDR corrected p-values present the results of pairwise comparison after a global chi-squared goodness of fit test. The p-values lower than 0.05 are in bold.

Figure 3A

Ty3/gypsy – all

Region	Observed	Expected	p-value*
LTR left	25.0	60.0	0.000233
LTR left - <i>pbs</i>	4.0	0.0	0.208823
<i>pbs</i>	0.0	0.0	1.000000
<i>pbs</i> – GAG	126.0	120.1	0.734453
GAG	26.0	39.9	0.104675
GAG – AP	114.0	80.8	0.022776
AP	12.0	16.7	0.418465
AP – RT	71.0	55.9	0.208823
RT	49.0	49.4	0.982114
RT – RH	96.0	23.2	0.000000
RH	29.0	26.9	0.809135
RH – INT	60.0	78.8	0.130519
INT	27.0	51.3	0.008096
INT – CHR	16.0	6.4	0.055613
CHR	3.0	3.0	1.000000
CHR- <i>ppt</i>	334.0	271.0	0.013861
<i>ppt</i>	0.0	0.0	1.000000
<i>ppt</i> – LTR right	1.0	0.2	0.492865
LTR right	22.0	60.1	0.000045

Figure 3B

Ty3/copia – all

Region	Observed	Expected	p-value*
LTR left	3.0	13.1	0.021834
LTR left - <i>pbs</i>	1.0	0.1	0.451187
<i>pbs</i>	0.0	0.0	1.000000
<i>pbs</i> – GAG	15.0	9.6	0.366352
GAG	10.0	11.5	0.826398
GAG – AP	39.0	28.5	0.267970
AP	3.0	3.1	1.000000
AP – INT	19.0	5.9	0.016093
INT	14.0	12.6	0.855640
INT – RT	33.0	27.5	0.567817
RT	12.0	12.5	0.964064
RT – RH	29.0	11.2	0.009998
RH	1.0	0.9	0.964064
RH - <i>ppt</i>	45.0	43.1	0.901110
<i>ppt</i>	0.0	0.0	1.000000
<i>ppt</i> – LTR right	0.0	0.0	1.000000
LTR right	6.0	14.0	0.109060

Figure 3C

Ty3/gypsy – recent

Region	Observed	Expected	p-value*
LTR left	2.0	4.6	0.410850
LTR left - <i>pbs</i>	3.0	0.1	0.160972
<i>pbs</i>	0.0	0.0	1.000000
<i>pbs</i> – GAG	16.0	18.0	0.819570
GAG	4.0	4.3	0.961779
GAG – AP	27.0	14.7	0.103267
AP	1.0	1.4	0.866135
AP – RT	16.0	9.5	0.284381
RT	11.0	8.2	0.623097
RT – RH	18.0	3.8	0.007041
RH	2.0	0.7	0.546124
RH – INT	13.0	12.0	0.902403
INT	4.0	7.3	0.421816
INT – CHR	2.0	0.5	0.436054
CHR	0.0	0.0	1.000000
CHR- <i>ppt</i>	68.0	51.9	0.223615
<i>ppt</i>	0.0	0.0	1.000000
<i>ppt</i> – LTR right	0.0	0.0	1.000000
LTR right	2.0	2.6	0.856787

Figure 3D

Ty3/copia – recent

Region	Observed	Expected	p-value*
LTR left	0.0	0.0	1.000000
LTR left - <i>pbs</i>	0.0	0.0	1.000000
<i>pbs</i>	0.0	0.0	1.000000
<i>pbs</i> – GAG	2.0	0.4	0.525227
GAG	4.0	1.2	0.492007
GAG – AP	11.0	4.7	0.379212
AP	1.0	0.2	0.690779
AP – INT	3.0	0.6	0.483410
INT	3.0	1.1	0.589727
INT – RT	6.0	3.6	0.658505
RT	2.0	1.6	0.971578
RT – RH	4.0	1.1	0.483410
RH	0.0	0.0	1.000000
RH - <i>ppt</i>	3.0	6.3	0.525227
<i>ppt</i>	0.0	0.0	1.000000
<i>ppt</i> – LTR right	0.0	0.0	1.000000
LTR right	1.0	2.1	0.744511

Figure 3E*Ty3/gypsy – old*

Region	Observed	Expected	p-value*
LTR left	7.0	6.8	1.000000
LTR left - <i>pbs</i>	0.0	0.0	1.000000
<i>pbs</i>	0.0	0.0	1.000000
<i>pbs</i> – GAG	19.0	14.6	0.562305
GAG	2.0	3.2	0.709791
GAG – AP	17.0	10.2	0.304034
AP	3.0	1.2	0.513355
AP – RT	6.0	6.5	0.970656
RT	9.0	6.6	0.648118
RT – RH	9.0	1.9	0.087017
RH	5.0	2.9	0.565140
RH – INT	9.0	5.3	0.453029
INT	4.0	4.0	1.000000
INT – CHR	3.0	1.1	0.471661
CHR	1.0	0.5	0.794623
CHR- <i>ppt</i>	36.0	32.3	0.756387
<i>ppt</i>	0.0	0.0	1.000000
<i>ppt</i> – LTR right	0.0	0.0	1.000000
LTR right	3.0	3.1	1.000000

* False Discovery Rate corrected p-values

Figure 3F*Ty3/copia – old*

Region	Observed	Expected	p-value*
LTR left	1.0	0.5	0.895537
LTR left - <i>pbs</i>	0.0	0.0	1.000000
<i>pbs</i>	0.0	0.0	1.000000
<i>pbs</i> – GAG	5.0	2.3	0.550698
GAG	0.0	0.0	1.000000
GAG – AP	4.0	2.8	0.818811
AP	0.0	0.0	1.000000
AP – INT	6.0	0.5	0.217765
INT	3.0	1.6	0.684707
INT – RT	5.0	3.0	0.662076
RT	1.0	0.6	0.941095
RT – RH	5.0	1.4	0.426388
RH	1.0	0.6	0.895537
RH - <i>ppt</i>	8.0	5.7	0.710107
<i>ppt</i>	0.0	0.0	1.000000
<i>ppt</i> – LTR right	0.0	0.0	1.000000
LTR right	2.0	1.8	1.000000